

## WHAT IS CLAIMED IS:

1                   1.     A method for converting text characters from a Standard  
2 Generalized Markup Language file into another specified language using a  
3 CONVERTSTR variable, a HTMLCODE variable and a VAL variable, wherein  
4 each character represents a tag or text, and each tag has a start and an end, said  
5 method comprising the steps of:

6                   (a) reading a character from the file;

7                   (b) determining whether the read character is the start of a tag;

8                   (c) adding the read character to the CONVERTSTR variable  
9 when the read character is not the start of a tag;

10                  (d) repeating steps (a), (b) and (c) for a next character until a read  
11 character is the start of a tag;

12                  (e) converting the CONVERTSTR variable into the specified  
13 language; and,

14                  (f) adding the converted CONVERTSTR variable to the  
15 HTMLCODE variable.

1                   2.     The method according to claim 1 wherein prior to step (a)  
2 further comprising the steps of:

3                   (g) initializing the HTMLCODE variable; and,

4                   (h) reading a first character from the file.

1                   3.     The method according to claim 2 wherein prior to step (g)  
2 further comprising the step of (i) downloading a Standard Generalized Markup  
3 Language file.

1                   4.     The method according to claim 1 wherein prior to step (b)  
2 further comprising the steps of:

3                   (j) determining whether the read character is the end of file;

4 (k) initializing the CONVERTSTR variable when the read  
5 character is not the end of the file; and,

6 (l) determining whether the parsing of the file is successful when  
7 the read character is the end of the file.

1 5. The method according to claim 4 wherein said step (k)  
2 further comprising the steps of:

3 (m) returning an error message to the user when the parsing of the  
4 file is not successful;

5 (n) saving the translated Standard Generalized Markup Language  
6 file with the parsed code to the cache memory when the parsing of the file is  
7 successful; and,

8 (o) displaying the translated Standard Generalized Markup  
9 Language file saved in the cache memory to the user.

1 6. The method according to claim 5 wherein said step (m)  
2 further comprising the step of (p) displaying the Standard Generalized Markup  
3 Language file without the translation.

1 7. The method according to claim 1 wherein prior to step (b)  
2 further comprising the steps of:

3 (r) determining whether the read character is the start of a tag;

4 (s) determining whether the read character is the end of a tag  
5 when the read character is the start of a tag;

6 (t) repeating from step (b) when the read character is not the start  
7 of a tag.

1 8. The method according to claim 7 wherein said (s) step  
2 further comprising the steps of:

3 (u) adding the read character to the HTMLCODE variable when  
4 the read character is not the end of a tag;

5 (v) repeating (s) and (t) for a next character until a read character  
6 is the end of a tag; and,

7 (w) repeating from step (b) when the read character is the end of  
8 a tag.

1 9. The method according to claim 7 wherein said (s) step  
2 further comprising the steps of:

3 (x) determining whether the read character is at the end of the file  
4 when the read character is not the end of a tag;

5 (y) repeating from step (b) when the read character is at the end  
6 of the file;

7 (z) adding the read character to the HTMLCODE variable when  
8 the read character is not at the end of the file; and,

9 (aa) repeating steps (s) and (z) for a next character until a read  
10 character is the end of a tag.

1 10. The method according to claim 4 wherein step (b) further  
2 comprising the steps of:

3 (bb) determining whether the CONVERTSTR variable is empty  
4 when the read character is the start of a tag; and,

5 (cc) repeating from step (j) when the CONVERTSTR variable is  
6 empty.

1 11. The method according to claim 10 wherein prior to said  
2 step (bb) further comprising the steps of:

3 (dd) determining whether the read character is at the end of the  
4 file;

5 (ee) repeating from step (e) when the read character is at the end  
6 of the file.

12. The method according to claim 4 wherein step (f) further comprising the step of (ff) repeating from step (i).

13. A system for converting text characters from a Standard Generalized Markup Language file into another specified language, wherein each character represents a tag or text, and each tag has a start and an end, comprising:

a HTMLCODE variable for defining the strings in the Standard Generalized Markup Language coding;

a CONVERTSTR variable for defining the strings that are to be converted into the specified language;

a VAL variable for defining the strings that have been converted into the specified language; and,

a translator for translating the strings in the CONVERTSTR variable into the specified language.

14. A system for converting text characters from a Standard Generalized Markup Language file into another specified language using a CONVERTSTR variable, a HTMLCODE variable and a VAL variable, wherein each character represents a tag or text, and each tag has a start and an end, comprising:

means for reading a character from the file;

means for determining whether the read character is the start of a tag;

means for adding the read character to the CONVERTSTR variable when the read character is not the start of a tag;

means for repeating the process for a next character until a read character is the start of a tag;

13 variable.